

## ABSTRACT

A system for verifying composite pseudo-noise (PN) encoded signals. The system provides at least three PN component codes, wherein the at least three PN component codes are relatively prime. The system partially correlates a received PN composite encoded signal with a first minor epoch derived from the at least three PN component codes. The system searches for phase alignment of the received PN composite encoded signal with a second minor epoch derived from the at least three PN component codes. The system correlates the received PN composite encoded signal with a receiver PN composite code phase when the first minor epoch and the searched second minor epoch are separated by a predetermined phase.